(FILE 'HOME' ENTERED AT 13:31:49 ON 14 FEB 2005)

FILE 'WPIX, INPADOC, JAPIO' ENTERED AT 13:32:00 ON 14 FEB 2005 E JP2003-120208/AP,PRN

L1 4 S E3-E4

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ANSWER 1 OF 4 WPIX COPYRIGHT 2005 THE THOMSON CORP on STN
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     2004-768127 [76]
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DNN N2004-606041
     Probe coil for nuclear magnetic resonance apparatus, uses magnesium boride
TΤ
     superconductor formed on surface of flexible organic polymer substrate
     that contains no hydrogen atoms.
DC
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     KIKUTA, T; MORITA, H; OKADA, M; PARK, M; WAKUDA, T
ΙN
     (HITA) HITACHI LTD; (KIKU-I) KIKUTA T; (MORI-I) MORITA H; (OKAD-I) OKADA
    M; (PARK-I) PARK M; (WAKU-I) WAKUDA T
CYC 34
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     20030424; US 2004212364 A1 US 2004-804106 20040319
PRAI JP 2003-120208
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          1471363 A UPAB: 20041125
    NOVELTY - The probe coil (1) uses a magnesium boride superconductor formed
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     Helmhotz type probe coil, one-turn type probe coil, solenoid type probe
     coil, pancake type probe coil, etc., for nuclear magnetic resonance (NMR)
     apparatus which measures spectrum of hydrogen atoms.
          ADVANTAGE - Avoids the degradation of characteristics caused by
    hydrogen while manufacturing the superconductors. Avoids the
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     Facilitates accurate measurement of the sample.
          DESCRIPTION OF DRAWING(S) - The figure shows a perspective view of
     the probe coil for NMR apparatus.
    probe coil 1
         magnetic field direction 2
         glass sample tube 3
     sample 4
         current leads 5a,5b
     Dwg.1/12
     2004-768127 [76]
AN
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    EP 1471363 A2 EP 2004-6547 20040318; JP 2004325250 A JP 2003-120208
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     20030424; US 2004212364 A1 US 2004-804106 20040319
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     Dwg.1/12
FS
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      (7) G01R033-32; (7) H01F006-06
ICS
      ANSWER 3 OF 4 INPADOC COPYRIGHT 2005 EPO on STN
L1
LEVEL 1
      248322311 INPADOC ED 20041111 EW 200446 UP 20041209 UW 200450
AN
ΤI
      Superconductor probe coil for NMR apparatus.
IN
      MORITA HIROSHI; OKADA MICHIYA; WAKUDA TSUYOSHI; KIKUTA TOMOMI; PARK
      MINSFOK
      MORITA HIROSHI; OKADA MICHIYA; WAKUDA TSUYOSHI; KIKUTA TOMOMI; PARK
INS
      MINSEOK
      JP; JP; JP; JP; JP
INA
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MORITA HIROSHI; OKADA MICHIYA; WAKUDA TSUYOSHI; KIKUTA TOMOMI; PARK PA MINSEOK MORITA HIROSHI; OKADA MICHIYA; WAKUDA TSUYOSHI; KIKUTA TOMOMI; PARK PAS MINSEOK PAA JP; JP; JP; JP; JP TLEnglish DT Patent PIT USAA PATENT APPLICATION PUBLICATION (PRE-GRANT) AA 20041028 PΙ US 2004212364 ΑI US 2004-804106 A 20040319 A 20030424 (EDPR 20041028) PRAI JP 2003-120208 OSDW 2004-768127 A probe coil for an NMR apparatus using a flexible organic polymer AB substrate on which a magnesium 2-boride superconductor is formed by a vacuum vapor deposition method, the organic material for the substrate containing no hydrogen atoms or containing heavy hydrogen atoms with which all or part of the hydrogen are substituted. LEVEL 1 248322311 INPADOC ED 20041111 EW 200446 UP 20041209 UW 200450 AN Superconductor probe coil for NMR apparatus. TΤ MORITA HIROSHI; OKADA MICHIYA; WAKUDA TSUYOSHI; KIKUTA TOMOMI; PARK IN MINSEOK MORITA HIROSHI; OKADA MICHIYA; WAKUDA TSUYOSHI; KIKUTA TOMOMI; PARK INS MINSEOK JP; JP; JP; JP INA MORITA HIROSHI; OKADA MICHIYA; WAKUDA TSUYOSHI; KIKUTA TOMOMI; PARK PΑ MINSEOK MORITA HIROSHI; OKADA MICHIYA; WAKUDA TSUYOSHI; KIKUTA TOMOMI; PARK PAS MINSEOK PAA JP; JP; JP; JP English TLDΤ Patent USAA PATENT APPLICATION PUBLICATION (PRE-GRANT) PIT AA 20041028 PΙ US 2004212364 ΑI US 2004-804106 A 20040319 A 20030424 PRAI JP 2003-120208 (EDPR 20041028) OSDW 2004-768127 (7) G01V003-00 ICM G01R33/34; H01F6/06 EPC 324318 NCL L1 ANSWER 4 OF 4 INPADOC COPYRIGHT 2005 EPO on STN LEVEL 1 246096979 INPADOC ED 20041028 EW 200444 UP 20041209 UW 200450 ΑN Superconductor rf coil for nmr apparatus. ΤI Bobine RF supraconducteur pour appareil de RMN. Supraleitende RF-Spule fuer NMR-Apparatur. MORITA, HIROSHI; OKADA, MICHIYA; WAKUDA, TSUYOSHI; KIKUTA, TOMOMI; PARK, ΙN MINSEOK INS MORITA HIROSHI; OKADA MICHIYA; WAKUDA TSUYOSHI; KIKUTA TOMOMI; PARK

INA PΑ

PAS

PAA

MINSEOK

JΡ

JP; JP; JP; JP; JP

HITACHI, LTD. HITACHI LTD

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English; French; German
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OSDW 2004-768127
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ICM

EPC

(7) G01R033-34

G01R33/34; H01F6/06

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     20030424; US 2004212364 A1 US 2004-804106 20040319
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      ANSWER 2 OF 4 INPADOC COPYRIGHT 2005 EPO on STN
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      ANSWER 3 OF 4 INPADOC COPYRIGHT 2005 EPO on STN
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     JP; JP; JP; JP; JP
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PA MORITA HIROSHI; OKADA MICHIYA; WAKUDA TSUYOSHI; KIKUTA TOMOMI; PARK · MINSEOK
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AB A probe coil for an NMR apparatus using a flexible organic polymer substrate on which a magnesium 2-boride superconductor is formed by a vacuum vapor deposition method, the organic material for the substrate containing no hydrogen atoms or containing heavy hydrogen atoms with which all or part of the hydrogen are substituted.

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INS MORITA HIROSHI; OKADA MICHIYA; WAKUDA TSUYOSHI; KIKUTA TOMOMI; PARK MINSEOK

INA JP; JP; JP; JP

PA MORITA HIROSHI; OKADA MICHIYA; WAKUDA TSUYOSHI; KIKUTA TOMOMI; PARK

PAS MORITA HIROSHI; OKADA MICHIYA; WAKUDA TSUYOSHI; KIKUTA TOMOMI; PARK MINSEOK

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OSDW 2004-768127 ICM (7) G01V003-00 EPC G01R33/34; H01F6/06

NCL 324318

L1 ANSWER 4 OF 4 INPADOC COPYRIGHT 2005 EPO on STN

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PA HITACHI, LTD.

PAS HITACHI LTD

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ICM (7) G01R033-34

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